

Notice of Allowability

Application No.

10/069,622

Applicant(s)

UEYAMA ET AL.

Examiner

Shaima Q. Aminzay

Art Unit

2684

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to August 12, 2005.
2. ☒ The allowed claim(s) is/are 1 and 3-5.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

Allowable Subject Matter

1. Claims 1, 3-5 are allowed.

Reasons for Allowance

2. The following is an examiner's statement of reason for allowance:

The applicant filed amendment on August, 2005 in response to the final office action mailed June 16, 2005, canceling the independent claim 2 puts the application in conditions for allowance. The independent claims 1, 3, 4, and dependent claim 2 were allowed in the previous office action.

The prior art specifically Emmert (Emmert U. S. Patent 6,352,434) failed to render obviousness and failed to anticipate the following underlined limitations:

"A flexible printed circuit board comprising first and second insulating sheets, a conductor pattern formed between the first and second insulating sheets, and a shielding conductor fixed to the second insulating sheet, wherein the flexible printed circuit board is folded up with the

second insulating sheet outside so that the conductor pattern is enclosed inside the shielding conductor" as disclosed in claim 1.

"A folding-type cellular telephone terminal comprising: first and second body casings; a hinge portion that pivotably couples the first and second body casings together; and a flexible printed circuit board comprising first and second insulating sheets, a conductor pattern formed between the first and second insulating sheets, and a shielding conductor fixed to the second insulating sheet, the flexible printed circuit board being arranged so as to bridge between the first and second body casings, wherein the flexible printed circuit board is folded up with the second insulating sheet outside so that the conductor pattern is enclosed inside the shielding conductor" as disclosed in claim 3.

"A folding-type cellular telephone terminal comprising: first and second body casings; a hinge portion that pivotably couples the first and second body casings together; and a flexible printed circuit board comprising first and second connection portions where contacts are exposed and first and second path portions where conductor patterns are arranged that connect the contacts of the first and second connection portions together, the first and second path portions being formed so as to have substantially symmetrical shapes with each other about a predetermined straight line, the flexible printed circuit board being folded up along the straight line,

wherein an overlapping portion of the flexible printed circuit board which is formed as a result of the flexible printed circuit board being folded up is arranged so as to form a helical shape in the hinge portion" as disclosed in claim 4.

For these reasons, independent claims 1, 3, and 4 are allowed. Claim 5 is depend on the independent claim 4 is allowed under the same reasons set forth in claim 4.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

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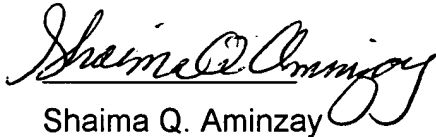
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shaima Q. Aminzay whose telephone number is 571-276-7874. The examiner can normally be reached on 7:00 AM -5:00 PM.

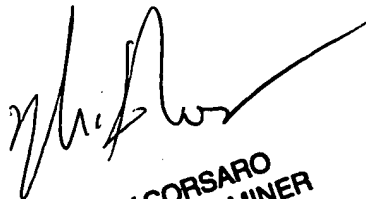
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 571-272-7882.

The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Shaima Q. Aminzay
(Examiner)



NICK CORSARO
PRIMARY EXAMINER

Nay A. Maung
(SPE)

September 1, 2005

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